

6DW4B

Half-Wave Vacuum Rectifier

NOVAR TYPE

For Television Damper Service

Electrical:

Heater Characteristics and Ratings:

Voltage (AC or DC) 6.3 ± 0.6 volts
Current at heater volts = 6.3 1.200 amp

Maximum heater-cathode voltage:

Heater negative with
respect to cathode:^a

Peak 5500 volts
DC component 900 volts

Heater positive with
respect to cathode:

Peak 300 volts
DC component 100 volts

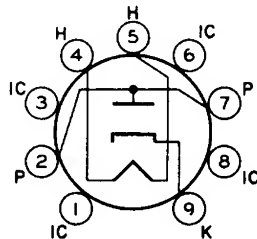
Direct Interelectrode Capacitances (Approx.):^b

Plate to cathode and heater 6.5 pf
Cathode to plate and heater 9.0 pf
Heater to cathode 2.8 pf

Mechanical:

Operating Position Any
Type of Cathode Coated Unipotential
Maximum Overall Length 3.005"
Seated Length 2.375" to 2.625"
Diameter 1.062" to 1.188"
Dimensional Outline (JEDEC 12-99) See *General Section*
Bulb T9
Base Small-Button Novar 9-Pin with
Exhaust Tip (JEDEC No.E9-89)
Basing Designation for BOTTOM VIEW 9HP

Pin 1 - Do Not Use^c
Pin 2 - Plate
Pin 3 - Do Not Use^c
Pin 4 - Heater



Pin 5 - Heater
Pin 6 - Do Not Use^c
Pin 7 - Plate
Pin 8 - Do Not Use^c
Pin 9 - Cathode



RADIO CORPORATION OF AMERICA
Electronic Components and Devices
Harrison, N. J.

DATA
4-65

6DW4B

DAMPER SERVICE

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-frame system^d

Peak Inverse Plate Voltage ^a	5500	volts
Peak Plate Current	1300	ma
DC Plate Current	250	ma
Plate Dissipation	8.5	watts

Characteristics, Instantaneous Value:

Tube Voltage Drop for plate ma = 350	25	volts
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^a This rating is applicable when the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

^b without external shield.

^c Socket terminals 1, 3, 6, and 8 should not be used as tie points. It is recommended that the socket clips for these pins be removed to reduce the possibility of arc-over and to minimize leakage.

^d As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

